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**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2019/2020**

**SECOND YEAR SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN MICROBIOLOGY/ BACHELOR OF SCIENCE IN COMMUNITY HEALTH AND DEVELOPMENT**

**SBT 2473/ICH 2218: MYCOLOGY/MEDICAL MYCOLOGY**

**DATE: APRIL, 2020 TIME: 2 HOURS**

INSTRUCTIONS: ANSWER ALL QUESTIONS IN **SECTION A** (COMPULSORY) AND ANY OTHER ONE QUESTION IN **SECTION B**

**SECTION A: 48 MARKS**

1. Explain six distinctive characteristics of fungi. (6 marks)

2. Giving an example for reach, describe the taxonomic classification of fungi. (6 marks)

3. Explain the following terms as used in mycology:-

i. Dimorphic fungi. (2 marks)

ii. Antifungal (2 marks)

iii. Mycoses (2 marks)

4. With aid of examples, describe mode of action of antifungal. (6 marks)

5. Describe six health effects of mycotoxins in humans. (6 marks)

6. Using a well labeled graph, describe the stages of fungi growth in the laboratory. (6 marks)

7. Differentiate between the three types of detmatophytes using possible examples. (6 marks)

8. Discuss briefly the asexual and sexual fungi reproduction. (6 marks)

**SECTION B: 22 MARKS**

9. Discuss mycoses. (22 marks)

10. Candidiasis is an opportunistic mycosis. Discuss its aetiologic agent, predisposing factors, pathogenesis, laboratory diagnosis , treatment and prevention. (22 marks)

11. Discuss the economic importance of fungi. (22 marks)